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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

First Named Inventor: KIM, YOUNG-SUG

Art Unit:

Appln. No.: 10/537,050

Examiner:

Filed: June 2, 2005

Confirmation No.:

For: APPARATUS AND METHOD FOR  
PERFORMING TERTIARY TREATMENT OF  
SEWAGE BASED ON POROUS FILTERING  
MEDIA

\* \* \*

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Defective Response mailed on March 7, 2006,  
submitted herewith are the following items:

- ☒ Copy of Notification of Defective Response (**REQUIRED**)
- ☒ Executed Declaration in compliance with 37 CFR 1.497(a) and (b)
- ☒ Petition for Extension of Time for four months (2 copies)
- ☒ Fee Transmittal (2 copies)
- ☒ Check for \$795.00 to cover the Petition of Extension of Time fee

The Commissioner is hereby authorized to charge to Deposit Account No. 50-  
1165 (T3502-10174US01) any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be  
required by this paper and to credit any overpayment to that Account. If any extension of

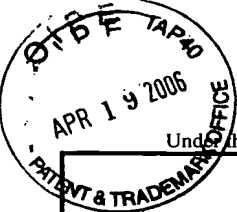
time is required in connection with the filing of this paper and has not been separately requested, such extension is hereby requested.

Respectfully submitted,

Date: April 19, 2006

By: James T. Carmichael  
James T. Carmichael  
Reg. No. 45,306

Miles & Stockbridge, P.C.  
1751 Pinnacle Drive  
Suite 500  
McLean, Virginia 22102-3833  
(703) 903-9000



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Under the Paperwork Reduction Project 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Effective on 12/8/2004  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818)

# FEE TRANSMITTAL

## For FY 2005

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$795.00

### Complete if Known

Application Number	10/537,050
Filing Date	June 2, 2005
First Named Inventor	KIM, YOUNG-SUG
Examiner Name	
Art Unit	
Attorney Docket No.	T3502-10174US01

### METHOD OF PAYMENT (check all that apply)

- ☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_
- ☒ Deposit Account Deposit Account Number: 50-1165 Deposit Account Name: Miles & Stockbridge P.C.
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee Paid (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>
_____ - 20 or HP = _____ x _____ = _____		

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 3 or HP = _____ x _____ = _____			

HP = highest number of independent claims paid for, if greater than 3.

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

#### 4. OTHER FEE(S)

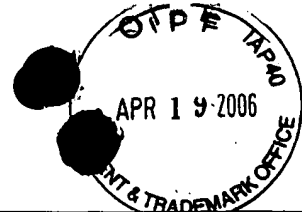
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): <u>Petition for Extension of Time for 4 months</u>	\$795.00

SUBMITTED BY		Complete (if applicable)	
Signature		Registration No. (Attorney/Agent)	45,306
Name (Print/Type)	James T. Carmichael	Telephone	703/610-8648
		Date	April 19, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



UNITED STATES PATENT AND TRADEMARK OFFICE



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U.S. APPLICATION NUMBER NO. 10/537,050	FIRST NAMED APPLICANT Young-Sug Kim	ATTY. DOCKET NO. T3502-10174US01
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MILES & STOCKBRIDGE PC  
1751 PINNACLE DRIVE  
SUITE 500  
MCLEAN, VA 22102-3833

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MILES & STOCKBRIDGE P.C.  
TYSONS CORNER

INTERNATIONAL APPLICATION NO. PCT/KR02/02268	
I.A. FILING DATE 12/02/2002	PRIORITY DATE

CONFIRMATION NO. 3196  
371 FORMALITIES LETTER  
  
\*OC000000018211049\*

Date Mailed: 03/07/2006

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Indication of Small Entity Status
- Copy of the International Application filed on 06/02/2005
- Copy of the International Search Report filed on 06/02/2005
- Oath or Declaration filed on 12/19/2005
- Small Entity Statement filed on 12/19/2005
- U.S. Basic National Fees filed on 06/02/2005
- Assignment filed on 12/19/2005

DOCKETED  
BY JD ON 3/9  
BY        ON         
DUE DATE 4-7-06  
CALL UP         
N/C

Applicant's response filed 12/19/2005 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 11/10/2005 have not been completed.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - does not identify the citizenship of each inventor.

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

VONDA M WALLACE

Telephone: (703) 308-9140 EXT 225

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/537,050	PCT/KR02/02268	T3502-10174US01

FORM PCT/DO/EO/916 (371 Formalities Notice)